Performance Requirement: Inspection, Testing, and Calibration

Title: Calibration **Mandatory Document**

Standard Statement:

Required measuring and test equipment (M&TE) is calibrated, maintained, and controlled to ensure accuracy and traceability.

Performance Criteria:

1. M&TE is surveyed to determine calibration requirements. M&TE that requires calibration is identified and controlled.
2. Appropriate standards are used for calibration of M&TE. The basis for calibration is documented.
3. Calibration of M&TE is performed using approved procedures.
4. Personnel have the skills, knowledge, ability, and qualifications to calibrate the M&TE.
5. Calibrated M&TE is controlled to prevent damage or degradation that would affect measurements or accuracy.
6. M&TE is calibrated at specified intervals based on required accuracy, purpose, degree of usage, stability characteristics, manufacturer specifications, and other conditions affecting the measurement precision. Documentation of the calibration is maintained.
7. When M&TE is found to be out of calibration, measures are taken to determine the validity of previous inspections or tests performed and the acceptability of items inspected or tested since the last calibration.
8. M&TE that has special use limitations or restrictions is identified and controlled.

Contractual Work Smart Standards:

10 CFR 830.120, Quality Assurance for Nuclear Facilities

DOE O 425.1, Startup and Restart of Nuclear Facilities, Change 1: 10-26-95 with the exception of the DOE O 5480.19 citation

DOE O 5480.20A, Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities, 11-15-94

DOE O 5480.21, Unreviewed Safety Questions, 12-24-91

DOE O 5480.22, Technical Safety Requirements, Change 2: 1-23-96

DOE O 5480.23, Nuclear Safety Analysis Reports, Effective Date: 4-30-92

DOE O 6430.1A, General Design Criteria, Division 13

DOE-STD-3013-94, Criteria for Safe Storage of Plutonium Metals and Oxides, 12-94